ABSTRACT OF THE DISCLOSURE

To allow high-speed image data generation
processing by shortening time required to generate an
object having a predetermined gradation pattern over a
number of lines in the vertical or horizontal direction
in gradient fill object drawing processing, an image
processing apparatus of this invention detects the
number of lines of gradation in the horizontal or
vertical direction, calculates only the first line of
detected gradation, copies the calculation value of the
first line, and embeds it in the second and subsequent
lines, thereby shortening time required to generate
objects of the second and subsequent lines and allowing
high-speed generation processing.